

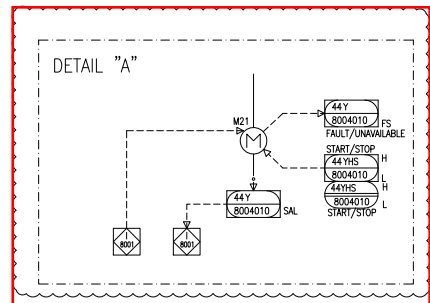
interlocks which should be take action on instruments should also be shown all other pages.

alarm indications should be added to the DCS symbol.

1. all motor shall have running command indication / fault indication which should be shown on PID with indication in DCS.
2. interlocks which should be take action on motors should be shown.
3. I've processed the cloud mark for the modifications made in DYPNF, please refer to it.
4. Some of the tag numbers have been modified.

please specify the size of the block valve of LG and the vent and drain valve should be shown on P&ID.(if any)

interlocks which should be take action on motors should also be shown all other pages.



GENERAL NOTES

1- -

LEGEND

DETAIL

00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ
REV.	DATE	PURPOSE OF ISSUE (P.O.I)	PREP	CHKD	APPR.

OWNER:

PROJECT:

300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:

ISEDSCO

CONTRACTOR:

SAZEH CONSULTANTS

VENDOR:

DYPNF

DRAWING TITLE:

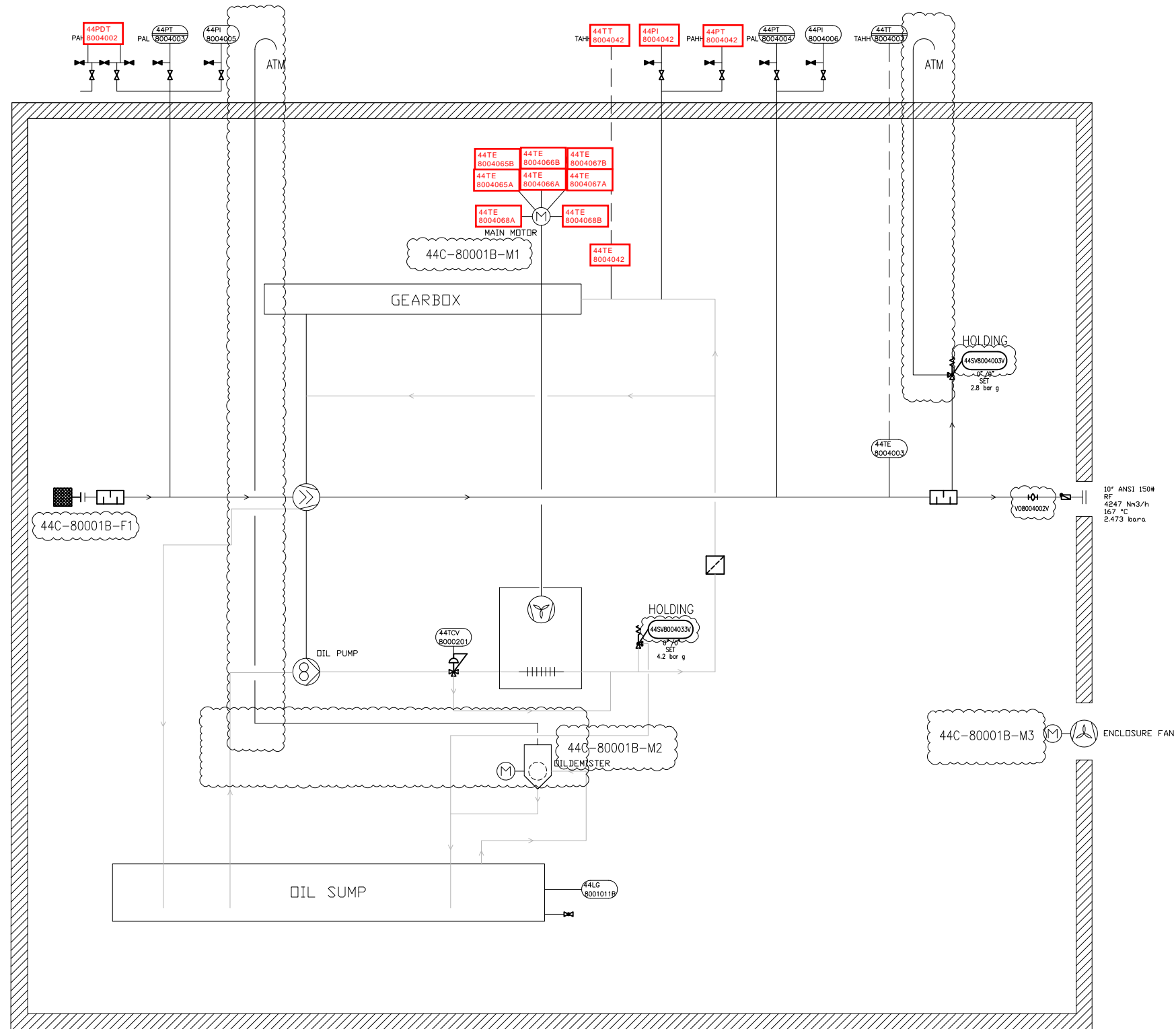
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING SYSTEM 44C-80001A

OWNER DOC. NO.

OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0180	DYP	RE	800	PID	0016

SCALE: NONE SIZE: A0 SHEET NO. 9 OF 17 REV. 01

ITEM	44C-80001A	44M-80001A
DESCRIPTION	Conveying air compressor	Main Motor
TECHNICAL DATA	Outlet Capacity: 4247 Nm ³ /h Inlet/Outlet Pressure: 1.013/2.473 Bara Inlet/Outlet Temp: 48/167 °C Gas: Air Guaranteed capacity: 4175 Nm ³ /hr	Rated Power: 250 kW Speed: 2980 rpm Power Supply: 6kV / 50Hz / 3ph



44C-80001B

GENERAL NOTES

1 - -

LEGEND

DETAIL

00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ
REV.	DATE	PURPOSE OF ISSUE (P.O.I)	PREP.	CHKD.	APPR.



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:
ISEDSCO
گروه صنعتی ايسدسكو
شرکت مهندسی و پیمانکاری
گروه مهندسی و پیمانکاری

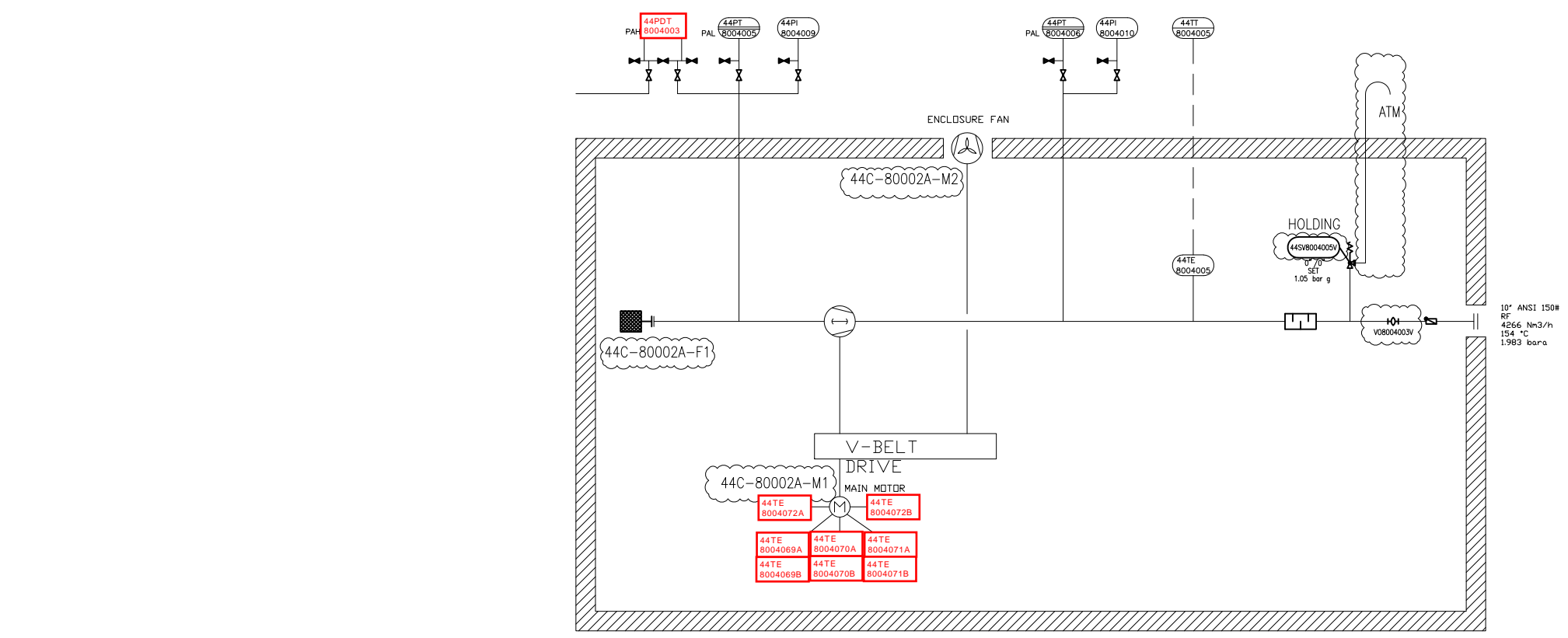
CONTRACTOR:
SAZEH CONSULTANTS
SAZEH CONSULTANTS
VENDOR:
DYPNF

DRAWING TITLE:
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING SYSTEM 44C-80001B

OWNER DOC. NO.					
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT TYPE SEQ.
3944	VD	0180	DYP	RE	800 PID 0016
SCALE:	NONE	SIZE:	A0	SHEET NO.	10 OF 17 REV. 01

ITEM	44C-80001B	44M-80001B			
DESCRIPTION	Conveying air compressor	Main Motor			
TECHNICAL DATA	Outlet Capacity: 4247 Nm3/h Inlet/Outlet Pressure: 1.013/2.473 Bara Inlet/Outlet Temp: 48/167 °C Gas: Air Guaranteed capacity: 4175 Nm3/hr	Rated Power: 250 kW Speed: 2980 rpm Power Supply: 6kV / 50Hz / 3ph			

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44C-80002A

GENERAL NOTES

1- -

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DETAIL

REV	DATE	PURPOSE OF ISSUE (P.O.I)	PREP	CHKD	APPR
00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ

OWNER:



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:



CONTRACTOR:



VENDOR:

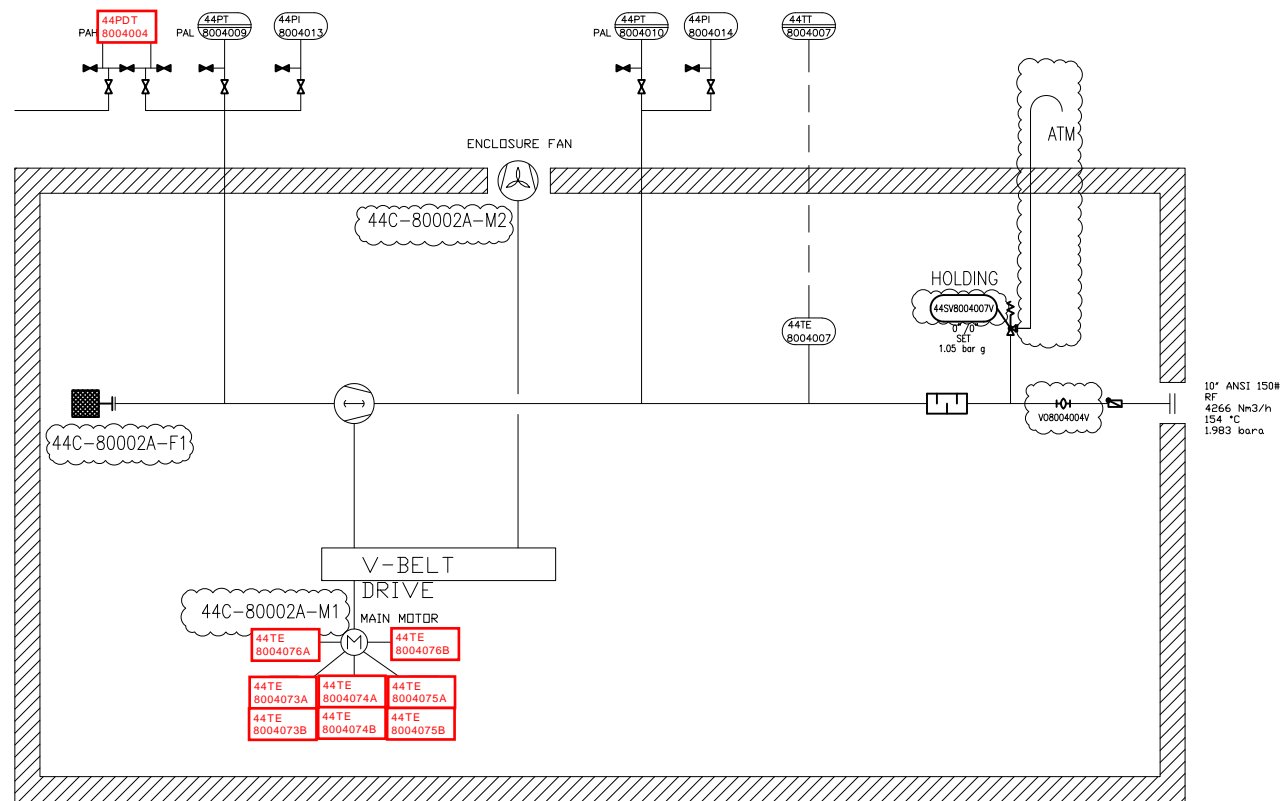

DRAWING TITLE:
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING TRANSPORT 44C-80002A

OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0180	DYP	RE	800	PID	0016

SCALE: NONE SIZE: A0 SHEET NO. 11 OF 17 REV. 01

ITEM	44C-80002A	44M-80002A
DESCRIPTION	Conveying air blower	Main Motor
TECHNICAL DATA	Outlet Capacity: 4266 Nm ³ /h Inlet/Outlet Pressure: 1.013/1.983 Bara Inlet/Outlet Temp: 48/154 °C Gas: Air Guaranteed capacity: 4257 Nm ³ /hr	Rated Power: 250 kW Speed: 1488 rpm Power Supply: 6kV / 50Hz / 3ph

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44C-80002B

GENERAL NOTES

1- -

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DETAIL

REV	DATE	PURPOSE OF ISSUE (P.O.I)	PREP	CHKD	APPR
00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ

OWNER:



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:
ISEDCO
گروه مهندسی ایزدکو

CONTRACTOR:
SAZEH CONSULTANTS
مهندسان سازه

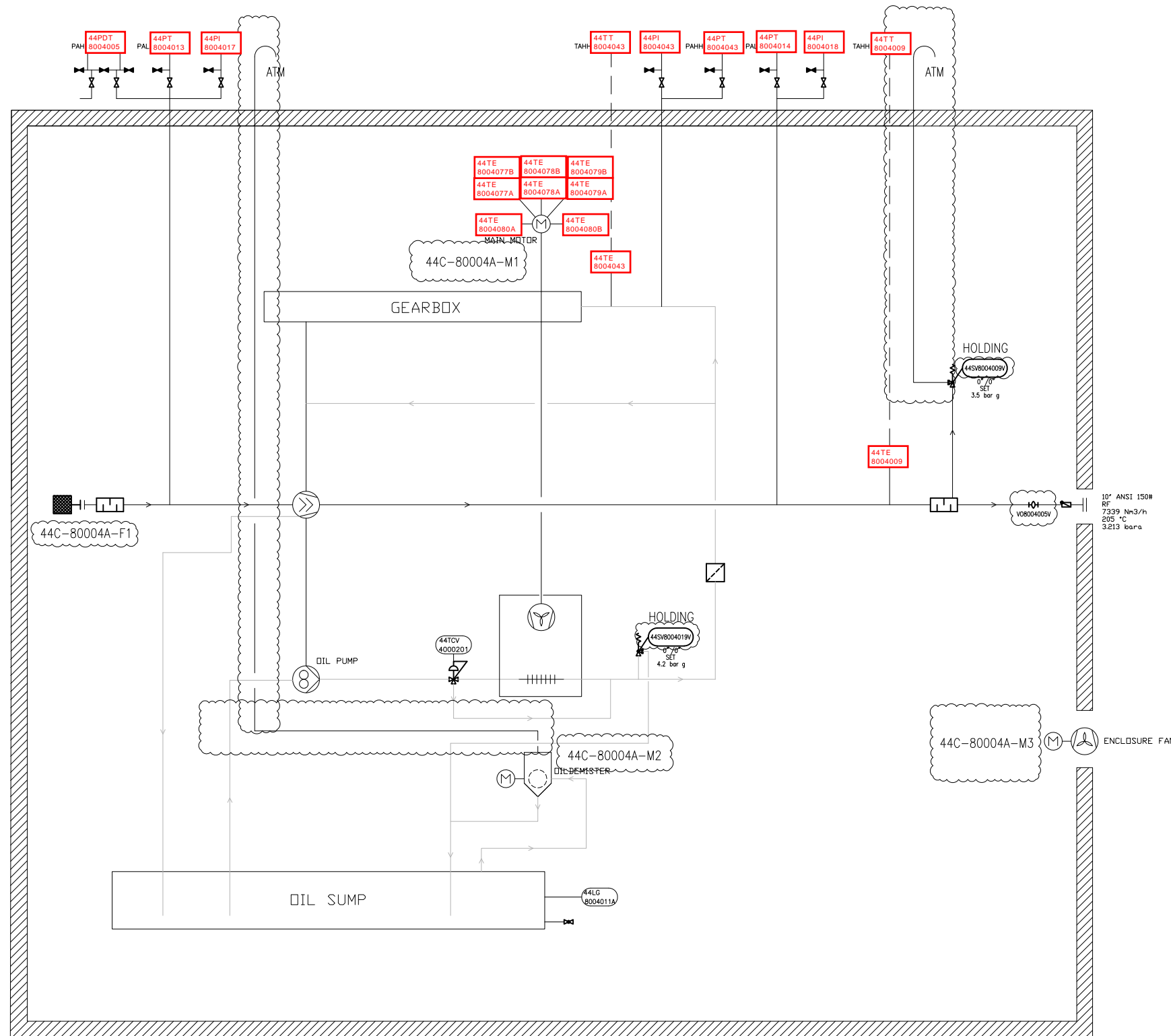
VENDOR:
DYPNF

DRAWING TITLE:
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING SYSTEM 44C-80002B

OWNER DOC. NO.						
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE SEQ.
3944	VD	0180	DYP	RE	800	PID 0016
SCALE:	NONE	SIZE:	A0	SHEET NO.	12 OF 17	REV. 01

ITEM	44C-80002B	44M-80002B		
DESCRIPTION	Conveying air blower	Main Motor		
TECHNICAL DATA	Outlet Capacity: 4266 Nm3/h Inlet/Outlet Pressure: 1.013/1.983 Bara Inlet/Outlet Temp: 48/154 °C Gas: Air Guaranteed capacity: 4257 Nm3/hr	Rated Power: 250 kW Speed: 1488 rpm Power Supply: 6kV / 50Hz / 3ph		

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44C-80004A

GENERAL NOTES

1- -

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REV	DATE	PURPOSE OF ISSUE (P.O.I)	PREP	CHKD	APPR
00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

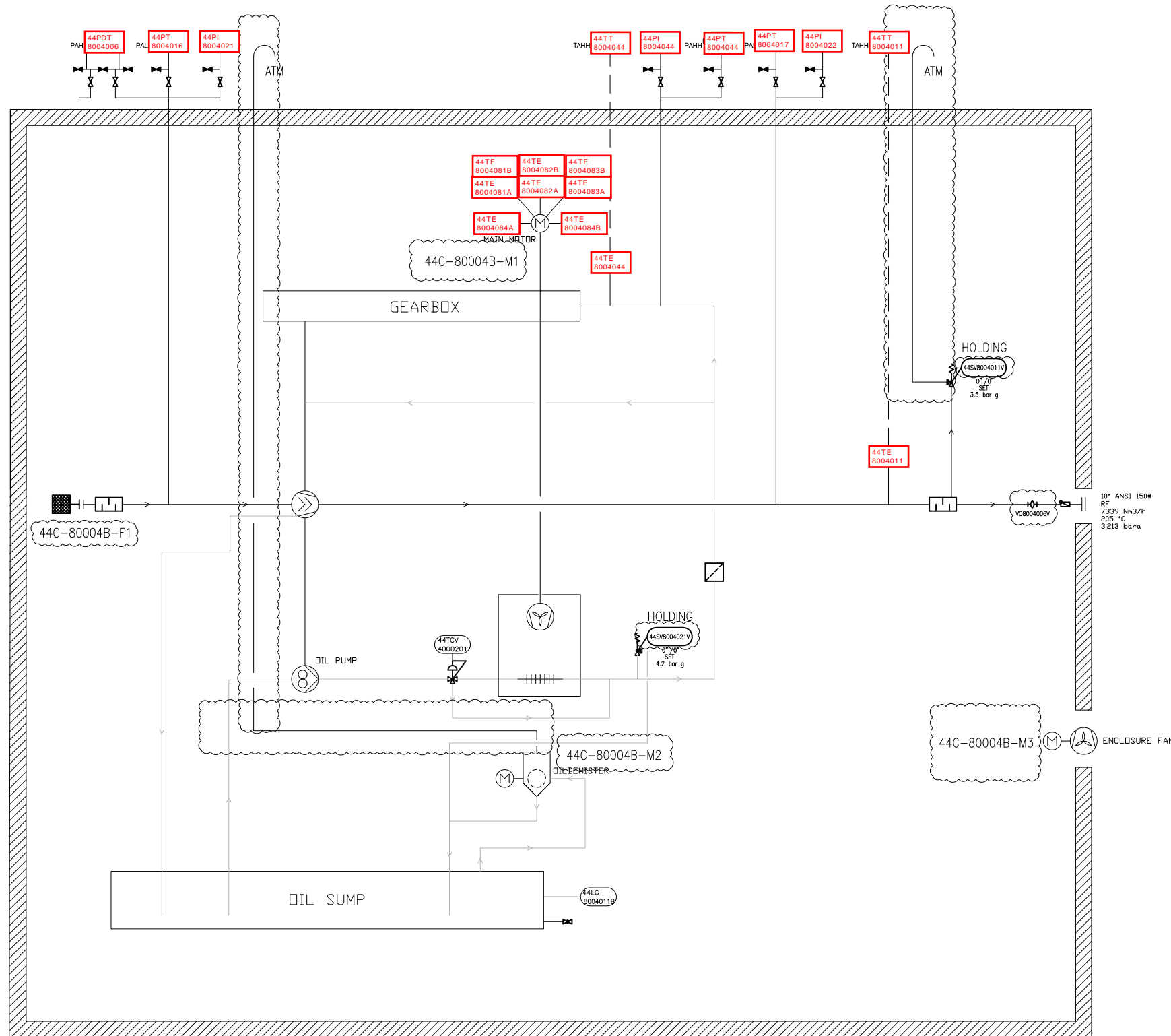


CONTRACTOR: SAZEH CONSULTANTS
VENDOR: DYPNF

DRAWING TITLE:
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING SYSTEM 44C-80004A

OWNER DOC. NO.					
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT TYPE SEQ.
3944	VD	0180	DYP	RE	800 PID 0016
SCALE:	NONE	SIZE:	A0	SHEET NO.	13 OF 17 REV. 01

ITEM	44C-80004A	44M-80004A
DESCRIPTION	Conveying air compressor	Main Motor
TECHNICAL DATA	Outlet Capacity: 7339 Nm3/h Inlet/Outlet Pressure: 1.013/3.213 Bara Inlet/Outlet Temp: 48/205 °C Gas: Air Guaranteed capacity: 7185 Nm3/hr	Rated Power: 560 kW Speed: 2985 rpm Power Supply: 6kV / 50Hz / 3ph



44C-80004B

GENERAL NOTES

1 - -

LEGEND

DETAIL

00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ
REV.	DATE	PURPOSE OF ISSUE (P.O.I)	PREP	CHKD	APPR.

OWNER:



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:
ISEDSCO
شرکت نیروی مهندسی

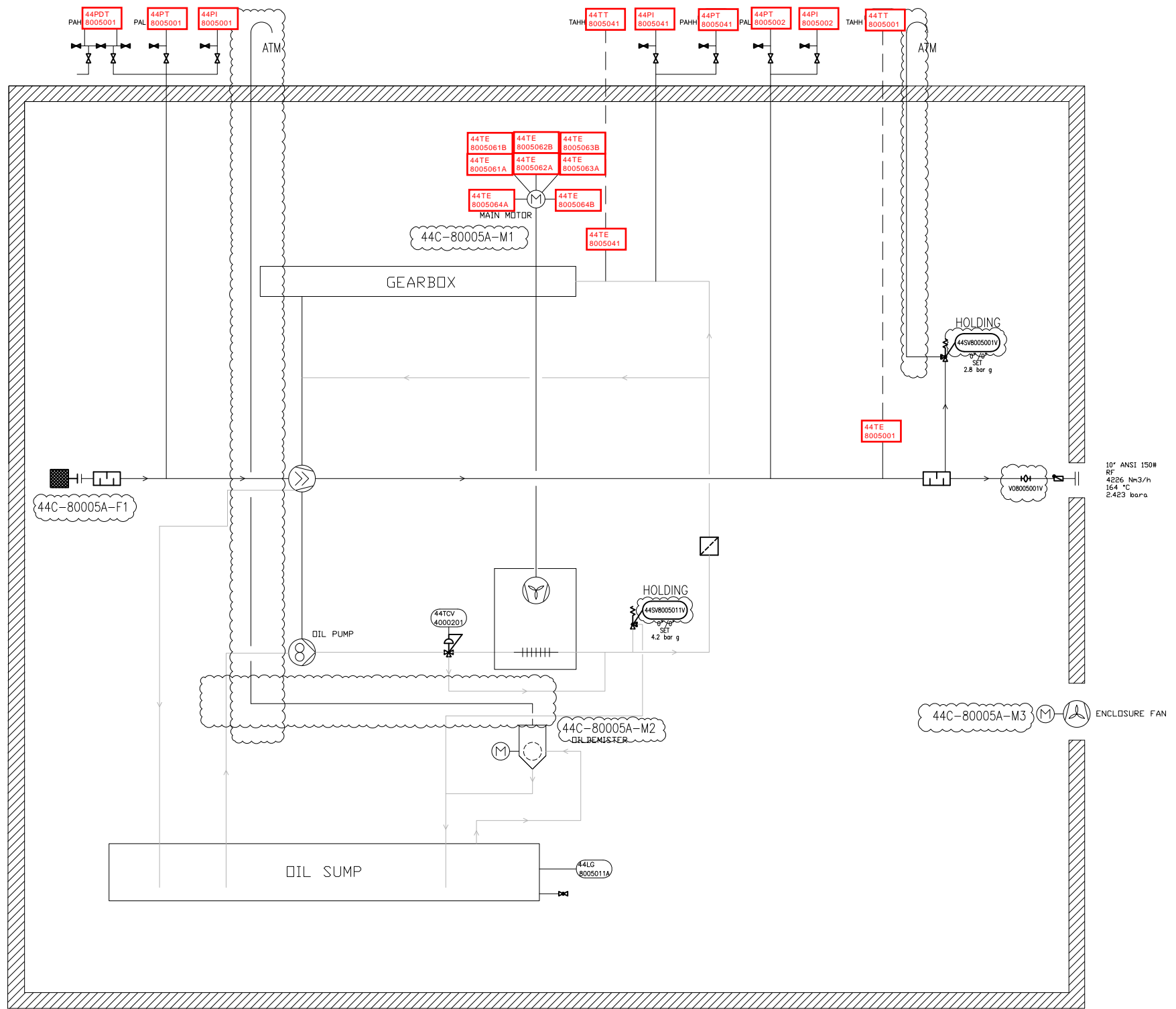
CONTRACTOR:
SAZEH CONSULTANTS
SZEZEH THERM
VENDOR:
DYPNF

DRAWING TITLE:
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING SYSTEM 44C-80004B

OWNER DOC. NO.					
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT TYPE SEQ.
3944	VD	0180	DYP	RE	800 PID 0016
SCALE:	NONE	SIZE:	A0	SHEET NO.	14 OF 17
				REV.	01

ITEM	44C-80004B	44M-80004B
DESCRIPTION	Conveying air compressor	Main Motor
TECHNICAL DATA	Outlet Capacity: 7339 Nm ³ /h Inlet/Outlet Pressure: 1.013/3.213 Bara Inlet/Outlet Temp: 48/205 °C Gas: Air Guaranteed Capacity: 7185 Nm ³ /hr	Rated Power: 560 kW Speed: 2985 rpm Power Supply: 6kV / 50Hz / 3ph

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44C-80005A

GENERAL NOTES

1- -

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00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ
REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)

MC:
ISEDCO
شرکت نیرو و راهبردی

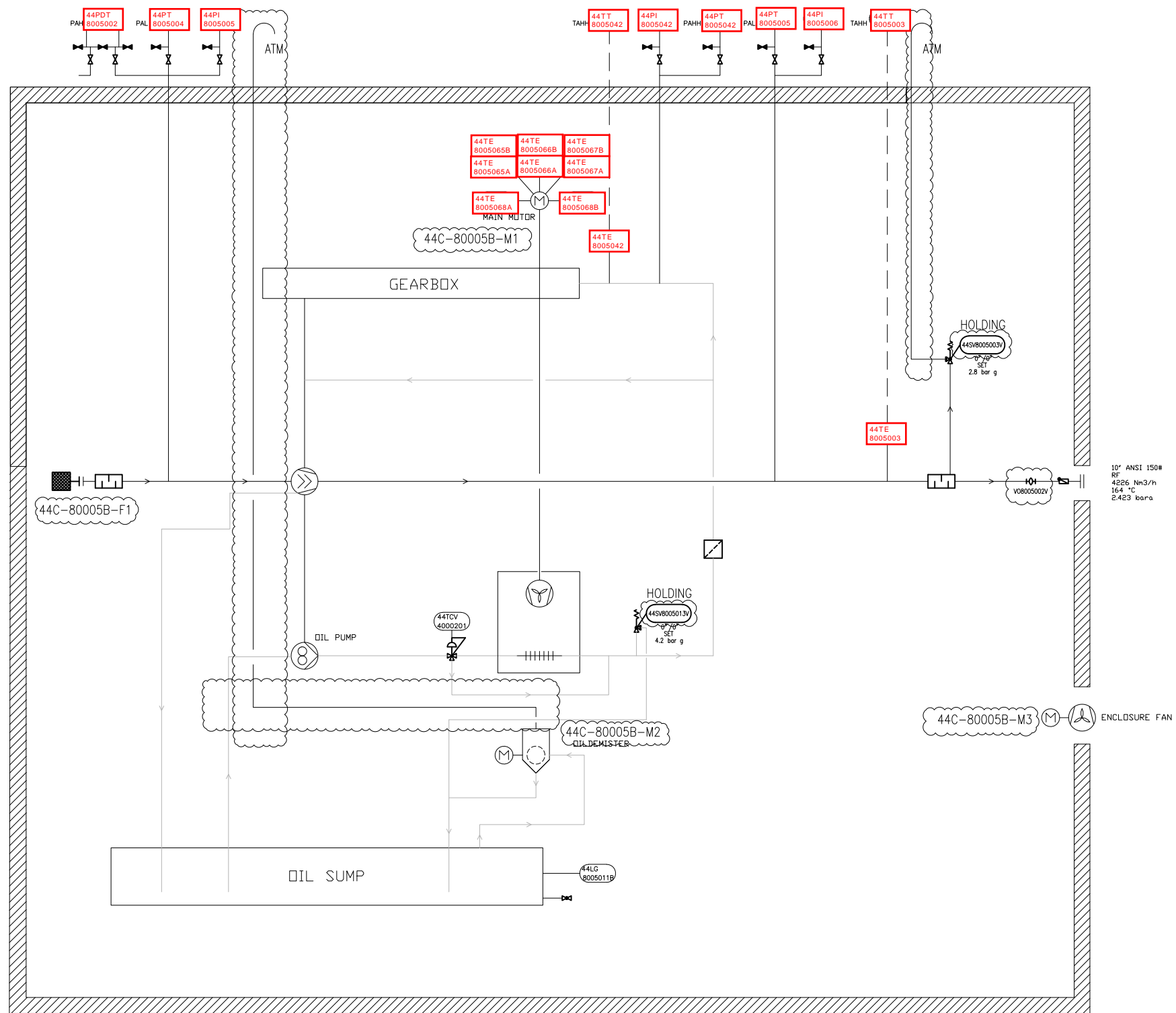
CONTRACTOR:
SAZEH CONSULTANTS
SZEZHO THERM
VENDOR:
DYPNF

DRAWING TITLE:
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING SYSTEM 44C-80005A

OWNER DOC. NO.					
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT TYPE SEQ.
3944	VD	0180	DYP	RE	800 PID 0016
SCALE:	NONE	SIZE:	A0	SHEET NO.	15 OF 17
				REV.	01

ITEM	44C-80005A	44M-80005A
DESCRIPTION	Conveying air compressor	Main Motor
TECHNICAL DATA	Outlet Capacity: 4226 Nm ³ /h Inlet/Outlet Pressure: 1.013/2.423 Bara Inlet/Outlet Temp: 48/164 °C Gas: Air Guaranteed capacity: 4095 Nm ³ /hr	Rated Power: 250 kW Speed: 2980 rpm Power Supply: 6kV / 50Hz / 3ph

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44C-80005B

10" ANSI 150#
RF
4226 Nm³/h
164 °C
2.423 bar_g

GENERAL NOTES

1 - -

LEGEND

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00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ
REV.	DATE	PURPOSE OF ISSUE (P.O.I)	PREP.	CHKD.	APPR.



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)



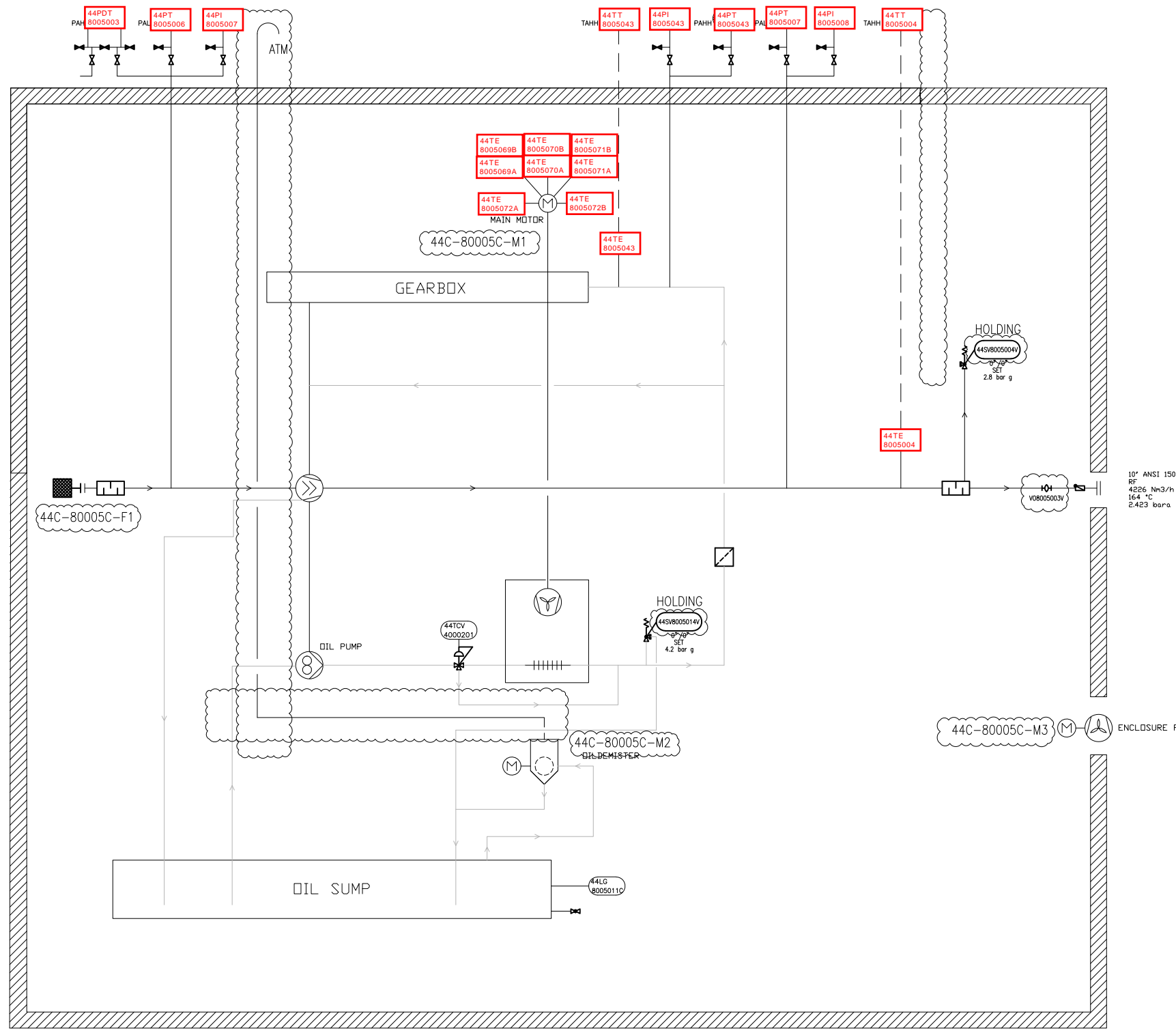
CONTRACTOR: SAZEH CONSULTANTS
VENDOR: DYPNF

DRAWING TITLE:
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING SYSTEM 44C-80005B

OWNER DOC. NO.					
OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT TYPE SEQ.
3944	VD	0180	DYP	RE	800 PID 0016
SCALE:	NONE	SIZE:	A0	SHEET NO.	16 OF 17 REV. 01

ITEM	44C-80005B	44M-80005B
DESCRIPTION	Conveying air compressor	Main Motor
TECHNICAL DATA	Outlet Capacity: 4226 Nm ³ /h Inlet/Outlet Pressure: 1.013/2.423 Bar _g Inlet/Outlet Temp: 48/164 °C Gas: Air Guaranteed capacity: 4095 Nm ³ /hr	Rated Power: 250 kW Speed: 2980 rpm Power Supply: 6kV / 50Hz / 3ph

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44C-80005C

GENERAL NOTES

1 - -

LEGEND

DETAIL

REV	DATE	PURPOSE OF ISSUE (P.O.I)	PREP	CHKD	APPR
00	11/Feb/25	ISSUE FOR APPROVAL	SC	KP	JJ



PROJECT:
300 KT POLYETHYLENE PLANT
ARYA SASOL POLYMER COMPANY (ASPC)



CONTRACTOR: SAZEH CONSULTANTS
VENDOR: DYPNF

DRAWING TITLE:
PIPING & INSTRUMENTATION DIAGRAM
PNEUMATIC CONVEYING SYSTEM 44C-80005C

OWNER PROJECT NO.	VENDOR DWG.	MR NO.	VENDOR CODE	DISCIPLINE	UNIT	TYPE	SEQ.
3944	VD	0180	DYP	RE	800	PID	0016
SCALE:	NONE	SIZE:	A0	SHEET NO.	17	OF 17	REV. 01

ITEM	44C-80005C	44M-80005C			
DESCRIPTION	Blower	Main Motor			
TECHNICAL DATA	Outlet Capacity: 4226 Nm3/h Inlet/Outlet Pressure: 1.013/2.423 Bara Inlet/Outlet Temp: 48/164 °C Gas: Air Guaranteed capacity: 4095 Nm3/hr	Rated Power: 250 kW Speed: 2980 rpm Power Supply: 6kV / 50Hz / 3ph			

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